



More information on the website
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PS 10100.R2.M Precision Balance, PS 8100.R2.M Precision Balance, PS 6100.R2.M Precision Balance, PS 2100.R2.M Precision Balance, PS 600.R2 Precision Balance, PS 3500.R2.M Precision Balance, PS 0.6.R2 Precision Balance, PS 4500.R2.M Precision Balance, PS 750.R2 Precision Balance, PS 200/2000.R2 Precision Balance, PS 1000.R2 Precision Balance, PS 210.R2 Precision Balance, PS 360.R2 Precision Balance



PS 10100.R2.M Precision Balance
 PS 8100.R2.M Precision Balance
 PS 6100.R2.M Precision Balance
 PS 2100.R2.M Precision Balance
 PS 3500.R2.M Precision Balance
 PS 4500.R2.M Precision Balance

PS 600.R2 Precision Balance
 PS 750.R2 Precision Balance
 PS 200/2000.R2 Precision Balance
 PS 1000.R2 Precision Balance
 PS 210.R2 Precision Balance
 PS 360.R2 Precision Balance

PS 0.6.R2 Precision Balance

The drawings, photos and graphics used are for illustrative purposes only.

Functions



Autotest



Dosing



Percent Weighing



Totalizing



Parts counting



Peak hold



Newton unit measurement



Statistics



Checkweighing



GLP Procedures



Animal weighing



Density determination

Datasheet

| | PS 200/2000.R2 Precision Balance | PS 210.R2 Precision Balance | PS 360.R2 Precision Balance |
|-------------------------------------|---|---|---|
| Metrological parameters | | | |
| Maximum capacity [Max] | 200 / 2000 g | 210 g | 360 g |
| Minimum load | 20 mg | 20 mg | 20 mg |
| Readability [d] | 1 / 10 mg | 1 mg | 1 mg |
| Verification unit [e] | 10 / 100 mg | 10 mg | 10 mg |
| Tare range | -2000 g | -210 g | -360 g |
| Standard repeatability [5% Max] | 0,5 / 5 mg | 0,5 mg | 0,5 mg |
| Standard repeatability [Max] | 1 / 10 mg | 1 mg | 1 mg |
| Standard minimum weight (USP) | 1 g | 1 g | 1 g |
| Standard minimum weight (U=1%, k=2) | 0,1 g | 0,1 g | 0,1 g |
| Linearity | ±2 / 20 mg | ±2 mg | ±2 mg |
| Stabilization time | 2 / 1,5 s | 2 s | 2 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Leveling system | manual | manual | manual |
| Display | LCD (backlit) | LCD (backlit) | LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. | Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. | Balance, weighing pan, weighing pan shield, grounding bumper ×1, bumper ×3, power supply. |
| Weighing pan dimensions | 128×128 mm | 128×128 mm | 128×128 mm |
| Device dimensions | | | |
| Packaging dimensions | 475×380×345 mm | 475×380×345 mm | 475×380×345 mm |
| Net weight | 3,9 kg | 3,7 kg | 3,7 kg |
| Gross weight | 6 kg | 5 kg | 5 kg |
| Construction | | | |
| Protection class | IP 43 | IP 43 | IP 43 |
| Communication interface | | | |
| Communication interface | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | | | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max |
| Power consumption | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | | | |

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

| | PS 600.R2 Precision Balance | PS 0.6.R2 Precision Balance | PS 750.R2 Precision Balance |
|-------------------------------------|---|---|---|
| Metrological parameters | | | |
| Maximum capacity [Max] | 600 g | 600 g | 750 g |
| Minimum load | 20 mg | 500 mg | 20 mg |
| Readability [d] | 1 mg | 10 mg | 1 mg |
| Verification unit [e] | 10 mg | 10 mg | 10 mg |
| Tare range | -600 g | -600 g | -750 g |
| Standard repeatability [5% Max] | 0,5 mg | 5 mg | 0,5 mg |
| Standard repeatability [Max] | 1,5 mg | 10 mg | 1,5 mg |
| Standard minimum weight (USP) | 1 g | 1 g | 1 g |
| Standard minimum weight (U=1%, k=2) | 0,1 g | 0,1 g | 0,1 g |
| Linearity | ±3 mg | ±20 mg | ±3 mg |
| Stabilization time | 2 s | 1,5 s | 2 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Leveling system | manual | manual | manual |
| Display | LCD (backlit) | LCD (backlit) | LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. | Balance, weighing pan, grounding bumper x1, bumper x3, power supply. | Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. |
| Weighing pan dimensions | 128×128 mm | 195×195 mm | 128×128 mm |
| Device dimensions | | | |
| Packaging dimensions | 475×380×345 mm | 475×380×345 mm | 475×380×345 mm |
| Net weight | 3,9 kg | 3,9 kg | 3,9 kg |
| Gross weight | 5 kg | 5,5 kg | 5 kg |
| Construction | | | |
| Protection class | IP 43 | IP 43 | IP 43 |
| Communication interface | | | |
| Communication interface | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | | | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max |
| Power consumption | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |

Storage temperature

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

| | PS 1000.R2 Precision Balance | PS 2100.R2.M Precision Balance | PS 3500.R2.M Precision Balance |
|-------------------------------------|---|---|---|
| Metrological parameters | | | |
| Maximum capacity [Max] | 1000 g | 2100 g | 3500 g |
| Minimum load | 20 mg | 500 mg | 500 mg |
| Readability [d] | 1 mg | 10 mg | 10 mg |
| Verification unit [e] | 10 mg | 100 mg | 100 mg |
| Tare range | -1000 g | -2100 g | -3500 g |
| Standard repeatability [5% Max] | 0,5 mg | 5 mg | 5 mg |
| Standard repeatability [Max] | 1,5 mg | 8 mg | 8 mg |
| Standard minimum weight (USP) | 1 g | 10 g | 1 g |
| Standard minimum weight (U=1%, k=2) | 0,1 g | 1 g | 0,1 g |
| Linearity | ±3 mg | ±20 mg | ±20 mg |
| Stabilization time | 2 s | 1,5 s | 1,5 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Leveling system | manual | manual | manual |
| Display | LCD (backlit) | LCD (backlit) | LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, grounding bumper x1, bumper x3, power supply. | Balance, weighing pan, weighing pan shield, power supply | Balance, weighing pan, weighing pan shield, power supply |
| Weighing pan dimensions | 128×128 mm | 195×195 mm | 195×195 mm |
| Device dimensions | | | |
| Packaging dimensions | 475×380×345 mm | 475×380×345 mm | 475×380×345 mm |
| Net weight | 3,92 kg | 4,3 kg | 4,33 kg |
| Gross weight | 6 kg | 5,5 kg | 5,5 kg |
| Construction | | | |
| Protection class | IP 43 | IP 43 | IP 43 |
| Communication interface | | | |
| Communication interface | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | | | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max |
| Power consumption | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | – | – | – |

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

| | PS 4500.R2.M Precision Balance | PS 6100.R2.M Precision Balance | PS 8100.R2.M Precision Balance |
|-------------------------------------|---|---|---|
| Metrological parameters | | | |
| Maximum capacity [Max] | 4500 g | 6100 g | 8100 g |
| Minimum load | 500 mg | 500 mg | 500 mg |
| Readability [d] | 10 mg | 10 mg | 10 mg |
| Verification unit [e] | 100 mg | 100 mg | 100 mg |
| Tare range | -4500 g | -6100 g | -8100 g |
| Standard repeatability [5% Max] | 5 mg | 5 mg | 5 mg |
| Standard repeatability [Max] | 8 mg | 8 mg | 10 mg |
| Standard minimum weight (USP) | 10 g | 10 g | 10 g |
| Standard minimum weight (U=1%, k=2) | 1 g | 1 g | 1 g |
| Linearity | ±20 mg | ±20 mg | ±20 mg |
| Stabilization time | 1,5 s | 1,5 s | 1,5 s |
| Adjustment | internal (automatic) | internal (automatic) | internal (automatic) |
| OIML Class | II | II | II |
| Physical parameters | | | |
| Leveling system | manual | manual | manual |
| Display | LCD (backlit) | LCD (backlit) | LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, power supply | Balance, weighing pan, weighing pan shield, power supply | Balance, weighing pan, weighing pan shield, power supply |
| Weighing pan dimensions | 195×195 mm | 195×195 mm | 195×195 mm |
| Device dimensions | 333×206×107 mm | 333×206×107 mm | 333×206×107 mm |
| Packaging dimensions | 475×380×345 mm | 475×380×345 mm | 475×380×345 mm |
| Net weight | 4,26 kg | 4,33 kg | 4,5 kg |
| Gross weight | 5,5 kg | 6 kg | 7,5 kg |
| Construction | | | |
| Protection class | IP 43 | IP 43 | IP 43 |
| Communication interface | | | |
| Communication interface | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | | | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max |
| Power consumption | 4 W | 4 W | 4 W |
| Environmental conditions | | | |
| Operating temperature | +10 ÷ +40 °C | +10 ÷ +40 °C | +10 ÷ +40 °C |
| Storage temperature | -20 ÷ +50 °C | -20 ÷ +50 °C | -20 ÷ +50 °C |

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

Datasheet

| | PS 10100.R2.M Precision Balance |
|-------------------------------------|---|
| Metrological parameters | |
| Maximum capacity [Max] | 10100 g |
| Minimum load | - |
| Readability [d] | 10 mg |
| Verification unit [e] | - |
| Tare range | -10100 g |
| Standard repeatability [5% Max] | 8 mg |
| Standard repeatability [Max] | 12 mg |
| Standard minimum weight (USP) | 10 g |
| Standard minimum weight (U=1%, k=2) | 1 g |
| Linearity | ±20 mg |
| Stabilization time | 1,5 s |
| Adjustment | internal (automatic) |
| OIML Class | - |
| Physical parameters | |
| Leveling system | manual |
| Display | LCD (backlit) |
| Delivery components | Balance, weighing pan, weighing pan shield, power supply |
| Weighing pan dimensions | 195×195 mm |
| Device dimensions | 333x206x107 mm |
| Packaging dimensions | 475×380×345 mm |
| Net weight | 4,5 kg |
| Gross weight | 5,5 kg |
| Construction | |
| Protection class | IP 43 |
| Communication interface | |
| Communication interface | 2×RS232 ¹ , USB-A, USB-B, Wi-Fi (option) |
| Electrical parameters | |
| Power supply | Adapter: 100 – 240V AC 50/60Hz 0,6A; 12V DC 1,2A Balance: 12 – 15V DC 0,4A max |
| Power consumption | 4 W |
| Environmental conditions | |
| Operating temperature | +10 ÷ +40 °C |
| Storage temperature | -20 ÷ +50 °C |

Repeatability is expressed as a standard deviation from 10 weighing cycles. Stabilization time depends on the ambient conditions and the dynamics of weighing pan loading; specified for FAST profile. 1 Barcode scanners, available as weighing instrument accessory, communicate with the instrument via RS232 interface exclusively.

* Wi-Fi® is a registered trademark of Wi-Fi® Alliance.



Extra payment for verification



Accessories

Balance Storage Case
Antivibration Tables

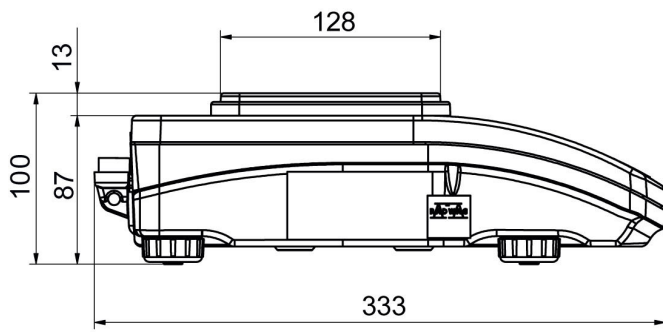
RS 232, RS 485 cables
Displays

| | |
|--|---------------------------------|
| Power Adapters | Draft Shield |
| Cigarette lighter receptacle power supply cables | Protective cover for balances |
| USB cable (scale - printer) | Receipt Printer |
| Density determination KIT | RS 232, RS 485 cables |
| Barcode scanners | Under-pan weighing |
| Anti-Draft Chamber for Balances with a 128×128 mm Weighing Pan | RS 232 cables (scale - printer) |

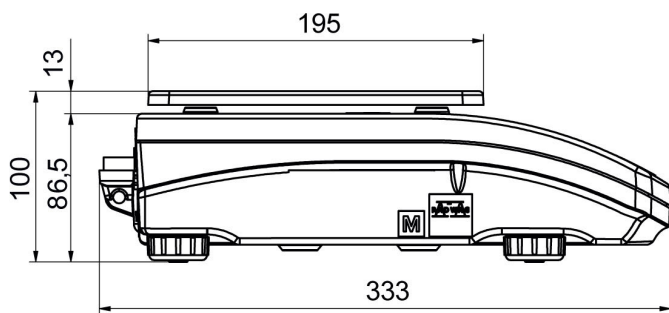
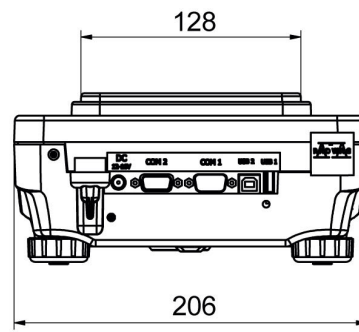
Software

| | |
|---------------------------|---------|
| RAD-KEY | R Panel |
| Alibi Reader | R-LAB |
| RADWAG Development Studio | |

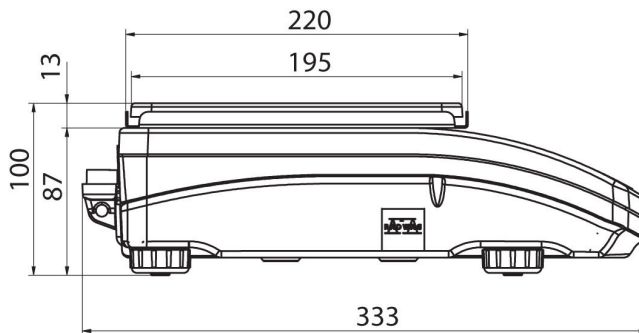
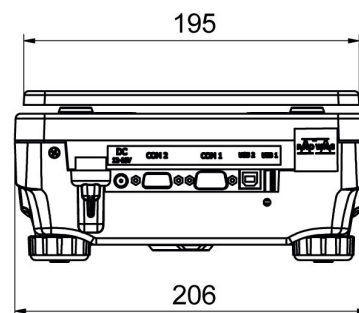
Device dimensions



PS R, d = 1 mg



PS R, d = 10 mg



PS R.M, d = 10 mg

